



City_{of}
Louisville

COLORADO ▪ SINCE 1878

**2025 TRAFFIC SIGNAL
TECHNOLOGY EQUIPMENT
PROCUREMENT PROJECT**

**CDOT CONTRACT # 25-HTD-ZL-00189
(26912)**

LOUISVILLE # 301312-660074

**PREPARED BY:
CITY OF LOUISVILLE**

June 2025

REQUEST FOR PROPOSALS

**City of Louisville
Traffic Signal Technology Project
CDOT CONTRACT # 25-HTD-ZL-00189
(26912)**

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The City of Louisville is requesting proposals from entities (Submitters) interested in submitting bids for the procurement of the City of Louisville’s Traffic Signal Technology Project. Sealed bids will be received at the office of the City Engineer, 749 Main Street, Louisville, Colorado 80027, until **02:00 PM** Mountain Time (MT), **June 18, 2025**, at which time proposals will be publicly opened.

Digital copies of the Proposal Documents will be available after May 30, 2025, online through Rocky Mountain Bid System located at <https://www.bidnetdirect.com/>.

The City of Louisville is an Equal Opportunity Employer.

City of Louisville, Colorado
City Engineer

1st Publication:	May 30, 2025
2 nd Publication:	June 06, 2025

REQUEST FOR PROPOSAL CITY OF LOUISVILLE, COLORADO
Traffic Signal Technology Project

CDOT CONTRACT # 25-HTD-ZL-00189
(26912)

INTRODUCTION

The City of Louisville is requesting bids from vendors for the procurement of traffic signal equipment as part of the City's Traffic Signal Technology Project.

NOTICE IS HEREBY GIVEN, bids should be prepared and submitted using the provided forms which address the needs outlined herein.

The City will use a single-phase process to select the bid to provide the equipment. Proposals shall be clearly marked and submitted in a sealed envelope and labeled "City of Louisville – Traffic Signal Technology Project #25-HTD-ZL-00189 (26912)".

Proposals will be accepted until 02:00 PM Mountain Time on **June 18, 2025**. Late proposals will not be accepted.

Sealed proposals shall be delivered to:

Cameron Fowlkes
City Engineer
City of Louisville
749 Main Street
Louisville, CO 80027

Digital copies of the Proposal Documents will be available after May 30, 2025, online through Rocky Mountain Bid System located at <https://www.bidnetdirect.com/>.

OBJECTIVE

The Vendor will provide traffic signal equipment and associated management software to the City of Louisville. **This RFP is for the procurement of the requested equipment (furnish only).** The City's own resources will complete the installation. The project is funded through a Federal grant obtained by the City of Louisville through the Colorado Department of Transportation and Denver Regional Council of Governments.

It is the desire of the City that the equipment be received within 6-months from the date of execution of a Professional Services Agreement with the selected firm. If this timeline cannot be met, please describe in the Cover Letter the expected delivery dates and lead times.

SCOPE

The City of Louisville seeks proposals from vendors to provide traffic signal technology equipment meeting the requirements outlined in this RFP.

Louisville Signal Technology Procurement:

In 2023, the City of Louisville received a Denver Regional Council of Governments (DRCOG) Technology Grant to fund the procurement of the following upgraded traffic signal equipment:

- (7) Traffic Signal Cabinets (TS 2P)
- (7) Traffic Signal Controllers
- (11) Video Vehicle Detection Systems
- (2) Emergency Vehicle Preemptions Systems
- (7) Cabinet Battery Backup Systems

The equipment will be installed by the City's traffic signal contractor and is not part of this RFP.

SERVICES

The vendor will work closely with the project manager and traffic signal contractor to perform the work necessary to procure the equipment.

1. Attend Initial Project Meeting
 - Discuss project schedule, approach, and budget with project team members.
 - Prepare email summarizing meeting and procurement details and distribute to all attendees.
2. Provide hardware and software following industry standards.
 - Submit three sets of product documents to the City including one electronic copy in PDF format.
 - The installation will be provided by the City.
3. Warranty and Technical Support.
 - Vendor shall submit the terms of its warranty to include: items included in the warranty, items excluded from the warranty, the duration of the warranty period and the initiation of the warranty period.

BACKGROUND – TRAFFIC SIGNAL TECHNOLOGY SPECIFICATIONS TRAFFIC SIGNAL TECHNOLOGY SPECIFICATIONS

The City of Louisville conducted a comprehensive evaluation of the City's traffic signal network. Following this, a Traffic Signals Management Plan was developed to prioritize the replacement of obsolete equipment, starting with:

- Seven (7) traffic signal cabinets.
- Seven (7) controllers
- Seven (7) battery backup systems at cabinet locations
- Eleven (11) vehicle detection systems
- Two (2) emergency vehicle preemption systems

Please refer to the attached map for the proposed replacement locations.

The map displays the following streets and highways in Louisville, KY:

- Highways: 36, 42, 287
- Streets: Paschal Dr, W South Boulder Rd, Main St, Empire Rd, W Pine St, Via Appia Way, Washington Ave, W South Boulder Rd, W Century Dr, W Dillon Rd, W Cherry St, W Dahlia St, S 96th St, S Pierce Ave, S 104th St, Dillion Rd, Campus Dr, Disc Dr, S 88th St, Northwest Pkwy.

Legend:

- Signal Needing CCTV (Red)
- Signal Needing Battery Backup Installation (Yellow)
- Signal Needing Controller Cabinet Replacement (Purple)
- Signal Needing Video Detection Installation (Green)
- Signal Needing Controller Replacement (Blue)

Scale: 0 to 1 Miles

HARDWARE SPECIFICATIONS

Traffic Signal Cabinets

Traffic signal controller cabinets shall conform to the latest version of NEMA TS 2 Specifications and have nominal dimensions for a Type P Cabinet.

Traffic Signal Controllers

Solid state traffic actuated controller units shall comply with latest version of NEMA TS 2 Specifications for a Type 1 Traffic Signal Controller. The controller shall meet the most current ATC 5201 Advanced Transportation Controller (ATC) Standard (currently v06A.35). The controller shall be able to communicate with the city's existing Econolite Centrac system, and have NCTIP level 2 compliance. The controller shall also provide high-resolution data logging, allowing for logging of controller events with a tenth-of-a-second resolution timestamp, and storing the logs in temporary data files on the controller. The controller shall be an Econolite Cobalt TS-2 Type 1 controller, or equivalent approved by the city.

Video Vehicle Detection Systems

A multimodal detection system shall be provided that can accurately detect automobiles, bicyclists and motorcyclists, and be able to differentiate between those modes, and provide unique detection inputs to the controller, on a per-lane basis. It shall be demonstrated to provide accurate detection in all weather environments including fog and snow.

The system shall be video based, or a hybrid system depending on the size of the intersection and speed of oncoming traffic. The system shall be capable of detecting multiple intersection approaches from a single camera and function with existing detection cameras installed in the City's intelligent signal environment. The detection camera shall be Miovision, or equivalent approved by the city.

Emergency Vehicle Preemption Systems

Emergency Vehicle Preemption (EVP) systems shall be provided for all directions at all new traffic signals in the city, and at other locations as directed by the city. The preemption system shall be compatible with the city's existing EVP system (Miovision/GTT Infrared Opticom). A detector shall be placed on the traffic signal mast arm, in the middle of the approach, aimed as needed to detect and react to an emergency vehicle in a timely manner. The system shall include a detector and phase discriminator. The system shall consist of Opticom Detectors (Model 721 or equivalent), Cable (Model 138 or equivalent), Card Rack (Model 760 or equivalent), Phase Selectors (764 or 762 as needed) and an interface panel (Model 768 or equivalent) if needed.

Cabinet Battery Backup Systems

The battery backup system (BBS) shall be of a make and model approved by the city, and that has existing installations in the city. It shall be housed in a cabinet that is attached to the controller cabinet, or separately in the service pedestal. The BBS shall be provided with the following capabilities:

- Remote monitoring via an Ethernet SNMP Interface, which shall be connected to an Ethernet switch in the traffic signal controller cabinet.
- Be capable of operating a signalized intersection up to 700W for 4 hours of full run time, then in flash mode for an additional 2 hours minimum.
- Shall include ability to power the batteries or module using a standard 20-amp, 120-volt, Type B electrical receptacle.
- Shall otherwise comply with CDOT Special Provisions for Traffic Uninterruptible Power Supply, which revise Section 614 of the Standard Specifications.

PROPOSAL FORMAT

Sealed proposals must be received by the City no later than the time described above. Please mark your sealed RFP envelope with the Project Name, Date and Time of bid opening.

The Vendor is encouraged to follow the outline and page distribution indicated below. Difficulty in finding desired information may be considered as non-responsive with a corresponding score. Brevity and clarity in explaining / responding to the information required and explaining your key concepts are encouraged.

- Proposal should contain the following elements:
- Cover or Introductory Letter (two (2) page limit – 8½ x 11 inch paper)
- Vendor Information (two (2) page limit – 8 ½ x 11 paper)
- Complete Appendix A – Traffic Signal Technology Pricing Proposal

SUBMITTED PROPOSAL CONTENT

The following is a general description to aid you in preparing the proposal. The general outline and content should be followed. However, the discussion of the specific elements should be determined by your interpretation of the specific project. The listed elements are presented to help you determine the discussion content. The selection committee will evaluate your interpretation of the most important factors to address for this project within the page limits to arrive at its rating.

1. Cover Letter

- Include the project title.
- Include a certification that the information and data submitted is true and complete to the best knowledge of the individual signing the letter.
- Include the name, email address, telephone and fax number of the individual to contact regarding their proposal.
- City of Louisville requires an original signature by a representative of the firm fully authorized to submit proposals and sign contracts on the firm's behalf. The letter shall include a statement to that effect.
- Estimated hardware delivery dates and lead times
- Any requests for changes in specifications

2. Vendor Information

- Identify your staff that will provide contract management, procurement assistance, product support/troubleshooting and training.
- Present a brief discussion of the firm's size, qualifications, special training or certifications, and experience related to this project.
- Include a list of up to three current and past projects completed in the United States. Include a name, telephone number, and email address of the owner's Project Manager for every project listed and describe your firm's role for all the projects listed. Additional project information shall include:
 - i. Number of deployed locations
 - ii. Hardware type
 - iii. Project name

iv. Estimated hardware delivery times

3. Appendix A – Pricing Proposal

- Provide breakdown of costs including all insurances, labor and incidentals required to complete the work.

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4. Proposal Evaluation Criteria

- Proposals that are considered competitive will be evaluated by an evaluation team. **The City reserves the right to select the proposal that is most advantageous to the City.** Proposal Evaluation criteria shall be as follows:

	Points
Vendor Information	
Qualifications and experience and ability firm	
Pricing Proposal	
Total bid price	
Warranty	
TOTAL SCORE	
Scoring for each criteria	
5-Superior	
4-Satisfactory Plus	
3-Satisfactory	
2-Satisfactory minus	
1-Unsatisfactory	

No Proposal may be withdrawn within a period of sixty (60) days after the proposal deadline.

The City reserves the right to award the contract by sections, to reject any or all proposals, and to waive any informalities and irregularities therein.

Submit one (1) SEALED copy.

In addition to the written proposal, the City reserves the right to request an interview with some or all of the proposers.

All costs incurred in preparing for, printing, and delivering a submittal, along with any costs associated with travel or time spent in interviews or negotiation with the City are solely the responsibility of the submitter. The City is not liable for any costs incurred prior to issuance of a legally executed contract and/or purchase order.

All submittals become the property of the City, a matter of public record, and will not be returned. Proprietary Information included in submittals must be clearly identified and will be protected if possible. Unit pricing and total cost information will not be considered proprietary.

All material submitted regarding this RFP becomes the property of the City of Louisville and will only be returned to the proposer at the City's option. The City of Louisville has the right to use any or all ideas presented in reply to this RFP. Disqualification of proposer does not eliminate this right.

TIMELINE

The City reserves the right to modify the proposal submittal and acceptance timeline at any time at its sole discretion.

Proposal Submittal and Acceptance:

First Online Publication	May 30, 2025
Second Online Publication	June 06, 2025
Inquiry deadline	June 05, 2025 @ 5:00pm
Final Response to Inquiries	June 06, 2025 @ 4:00pm
Proposals due deadline	June 18, 2025 @ 2:00pm

CONTRACT

A sample copy of the Agreement and exhibits is included with the proposal documents. In addition, the following documents must be submitted with the proposal:

1. Schedule of Subcontractors/consultants (if any)
2. CDOT Form 606 Anti-Collusions Affidavit

Note: Within five calendar days of selection the contractor will be required to submit CDOT Form 605 Contractor's Performance Capability Statement and CDOT Form 621 Assignment of Antitrust Claims.

INQUIRIES

Prospective submitters may make written inquiries by e-mail before the inquiry deadline concerning this Request for Proposal. An addendum will be released with any required clarifications or revisions to this request or the associated construction documents within one day of the Inquiry Deadline. Prospective proposers are advised to contact Cameron Fowlkes prior to the inquiry deadline to ensure they are included in any addendum posting.

Inquires may be e-mailed to:

Cameron Fowlkes

City Engineer

Email address: cfowlkes@louisvilleco.gov

**ATTACHMENTS REQUEST FOR PROPOSAL
CITY OF LOUISVILLE, COLORADO
Traffic Signal Technology
Project # 25-HTD-ZL-00189 (26912)**

1. *Sample Agreement*
2. *Appendix A – Traffic Signal Technology Pricing Proposal*
3. *CDOT Form 606*

AGREEMENT FOR PROFESSIONAL SERVICES

EXHIBIT A
TRAFFIC SIGNAL TECHNOLOGY PRICING PROPOSAL
Project # 25-HTD-ZL-00189 (26912)

The following is the bid details for the purchase of the traffic signal technology equipment. The vendor's proposed equipment will be evaluated with the submitted unit prices to determine the selected awardee.

The quantity of equipment on the bid documents is the City's best estimate of technology needed. The City does not guarantee that the final purchase order will be the estimated quantity. The City may purchase more or less units. There will be no price adjustment for any variation in quantities.

Signal Technology Procurement Project

ACTIVITY & COST				
DESCRIPTION	ESTIMATED QUANTITY	MAKE, MODEL, AND WARRANTY	COST EACH	TOTAL COST
Traffic Signal Cabinet (TS 2P) – Furnish Only	7			
Traffic Signal Controller – Furnish Only	7			
Video Detection – Furnish Only	11			
Emergency Preemption – Furnish Only	2			
Battery Backup System – Furnish Only	7			
			TOTAL	

**COLORADO DEPARTMENT OF TRANSPORTATION
ANTI-COLLUSION AFFIDAVIT**

PROJECT NO.

LOCATION

I hereby attest that I am the person responsible within my firm for the final decision as to the price(s) and amount of this bid or, if not, that I have written authorization, enclosed herewith, from that person to make the statements set out below on his or her behalf and on behalf of my firm.

I further attest that:

1. The price(s) and amount of this bid have been arrived at independently, without consultation, communication or agreement for the purpose or with the effect of restricting competition with any other firm or person who is a bidder or potential prime bidder.

2A. Neither the price(s) nor the amount of this bid have been disclosed to any other firm or person who is a bidder or potential prime bidder on this project, and will not be so disclosed prior to bid opening.

2B. Neither the prices nor the amount of the bid of any other firm or person who is a bidder or potential prime bidder on this project have been disclosed to me or my firm.

3A. No attempt has been made to solicit, cause or induce any firm or person who is a bidder or potential prime bidder to refrain from bidding on this project, or to submit a bid higher than the bid of this firm, or any intentionally high or non-competitive bid or other form of complementary bid.

3B. No agreement has been promised or solicited for any other firm or person who is a bidder or potential prime bidder on this project to submit an intentionally high, noncompetitive or other form of complementary bid on this project.

4. The bid of my firm is made in good faith and not pursuant to any consultation, communication, agreement or discussion with, or inducement or solicitation by or from any firm or person to submit any intentionally high, noncompetitive or other form of complementary bid.

5. My firm has not offered or entered into a subcontract or agreement regarding the purchase or sale of materials or services from any firm or person, or offered, promised or paid cash or anything of value to any firm or person, whether in connection with this or any other project, in consideration for an agreement or promise by any firm or person to refrain from bidding or to submit any intentionally high, noncompetitive or other form of complementary bid or agreeing or promising to do so on this project.

6. My firm has not accepted or been promised any subcontract or agreement regarding the sale of materials or services to any firm or person, and has not been promised or paid cash or anything of value by any firm or person, whether in connection with this or any other project, in consideration for my firm's submitting any intentionally high, noncompetitive or other form of complementary bid, or agreeing or promising to do so, on this project.

7. I have made a diligent inquiry of all members, officers, employees, and agents of my firm with responsibilities relating to the preparation, approval or submission of my firm's bid on this project and have been advised by each of them that he or she has not participated in any communication, consultation, discussion, agreement, collusion, or other conduct inconsistent with any of the statements and representations made in this affidavit.

8. I understand and my firm understands that any misstatement in this affidavit is and shall be treated as a fraudulent concealment from the Colorado Department of Transportation, of the true facts relating to submission of bids for this contract.

I DECLARE UNDER PENALTY OF PERJURY IN THE SECOND DEGREE, AND ANY OTHER APPLICABLE STATE OR FEDERAL LAWS, THAT THE STATEMENTS MADE ON THIS DOCUMENT ARE TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

Contractor's firm or company name

By

Date

Title

2nd contractor's firm or company name. (If joint venture.)

By

Date

Title

Sworn to before me this

day of,

20

Notary Public

My commission expires

NOTE: This document must be signed in ink.

CDOT Form #606 1/02

